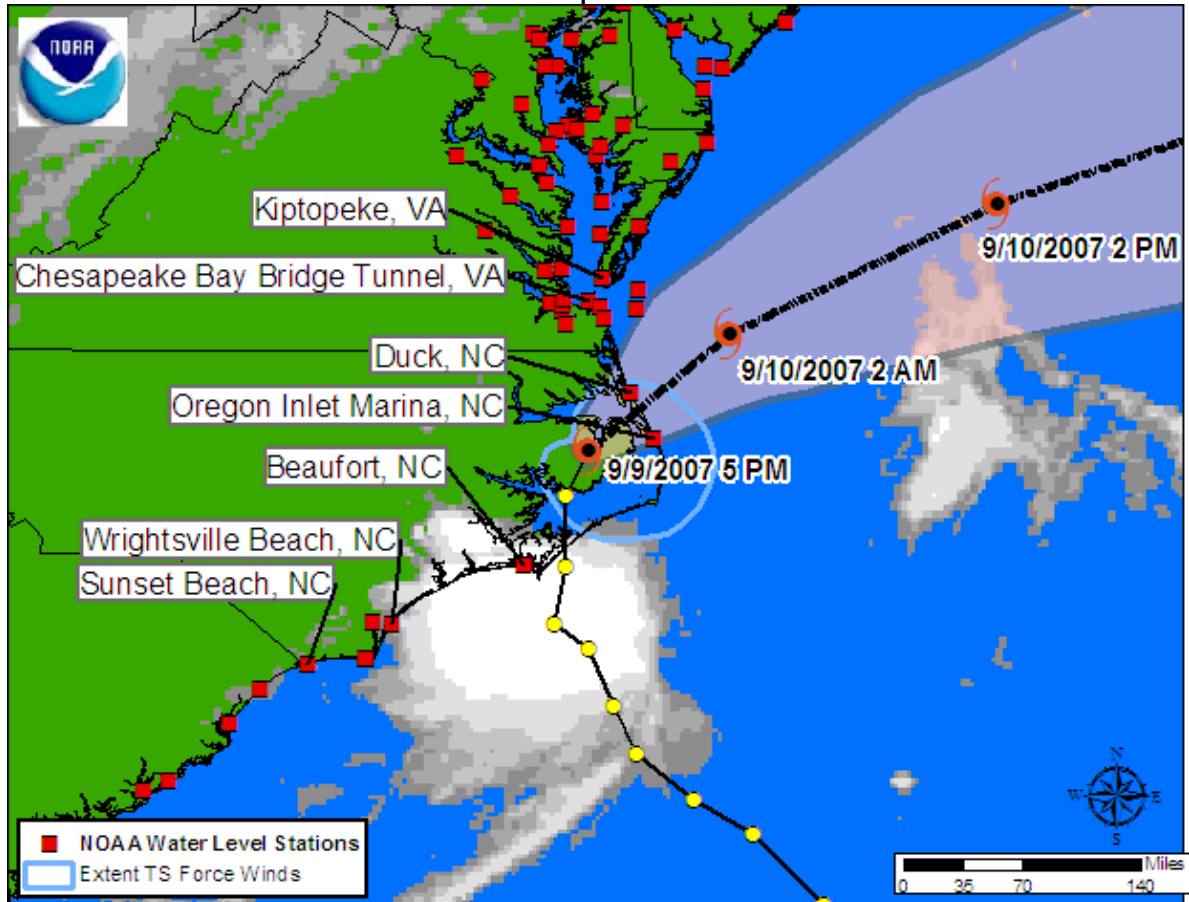




Tropical Storm GABRIELLE QUICKLOOK
Posted: 18:00 EDT 09/09/2007

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

Water level and meteorological plots below are updated automatically.

As of 9/9/2007 1800 EDT the Oregon Inlet Marina, NC water level station (well within the TS force wind field) appears to be affected most by Gabrielle, where water levels are about 1 ft above predicted. Beaufort, NC and Sunset Beach, NC are also experiencing heightened water levels of about 0.5 ft above predicted. Water levels along the rest of the North Carolina coast as well as the lower Chesapeake Bay remain near or at predicted.

Barometric pressure north of the storm center has been steadily decreasing.

Next high tide predictions

Sunset Beach, NC: 1858 EDT 5.7 ft (1.7 m)

Beaufort, NC: 1936 EDT 3.9 ft (1.2 m)

Wrightsville Beach, NC: 1848 EDT 4.7 ft (1.4 m)
Oregon Inlet Marina, NC: 1930 EDT 1.3 ft (0.4 m)
Duck, NC: 1902 EDT 3.9 ft (1.2 m)
CBBT, VA: 1959 EDT 3.1 ft (0.94 m)
Kiptopeke, VA: 2022 EDT 3.1 ft (0.94 m)

For more data, please see the [CO-OPS Tides & Currents page](#). For information about this product, please see the [Storm QuickLook homepage](#).

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

GABRIELLE BECOMING LESS ORGANIZED OVER EASTERN NORTH CAROLINA. STILL PRODUCING TROPICAL STORM FORCE WINDS OVER PORTIONS OF THE OUTER BANKS.

A TROPICAL STORM WARNING REMAINS IN EFFECT FROM SURF CITY NORTH CAROLINA NORTHWARD TO CAPE CHARLES LIGHT VIRGINIA INCLUDING THE PAMLICO AND ALBEMARLE SOUNDS.

A TROPICAL STORM WATCH REMAINS IN EFFECT IN SOUTHEASTERN VIRGINIA FOR THE LOWER CHESAPEAKE BAY SOUTH OF NEW POINT COMFORT.

**500 PM EDT POSITION 35.7 N, 76.1 W. MOVEMENT TOWARD NORTH NEAR 12 MPH.
MAXIMUM SUSTAINED WINDS 50 MPH.
MINIMUM CENTRAL PRESSURE 1006 MB.**

SLIGHT WEAKENING IS FORECAST DURING THE NEXT 24 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 70 MILES MAINLY TO THE SOUTH AND EAST OF THE CENTER.

COASTAL STORM SURGE FLOODING OF 2 TO 3 FEET IS POSSIBLE WITHIN THE WARNING AREA TODAY.

GABRIELLE IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 1 TO 3 INCHES ACROSS THE OUTER BANKS AND SOUNDS OF EASTERN NORTH CAROLINA WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES.

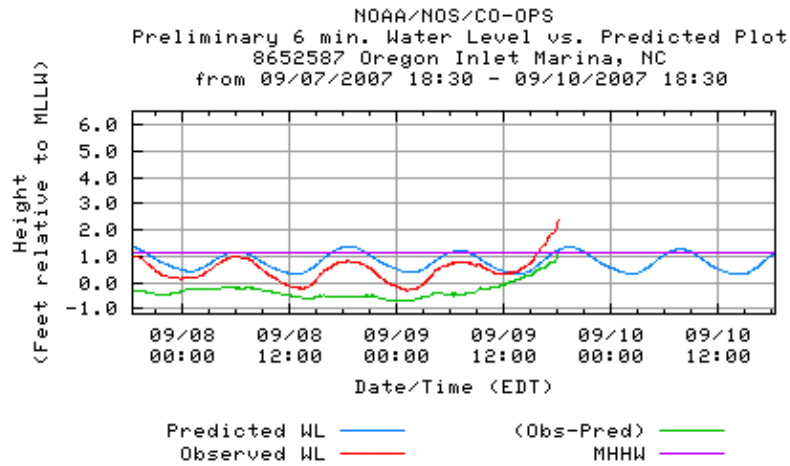
Water level analyst: KE

For the purpose of timely release, data contained within this QUICKLOOK have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Tropical Storm GABRIELLE QUICKLOOK, POSTED 18:00 EDT 09/09/2007

Jump to: [Oregon Inlet Marina - Water Level](#), [Beaufort - Water Level](#), [Sunset Beach - Water Level](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Duck - Water Level](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Kiptopeke - Water Level](#),

Oregon Inlet Marina, NC - Station Map [Return to List](#)

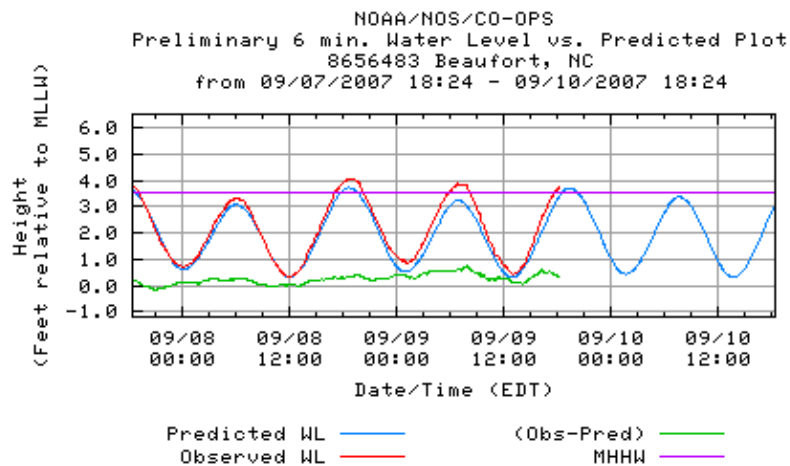


Last Observed Sample: 09/09/2007 18:18 (EDT)

Relative to **MLLW**: **Observed: 2.40 ft. Predicted: 1.25 ft. Residual: 1.15 ft.**

Historical Maximum Water Level: 09/16/1999, 4.49 ft. above **MHHW**

Beaufort, NC - Station Map [Return to List](#)

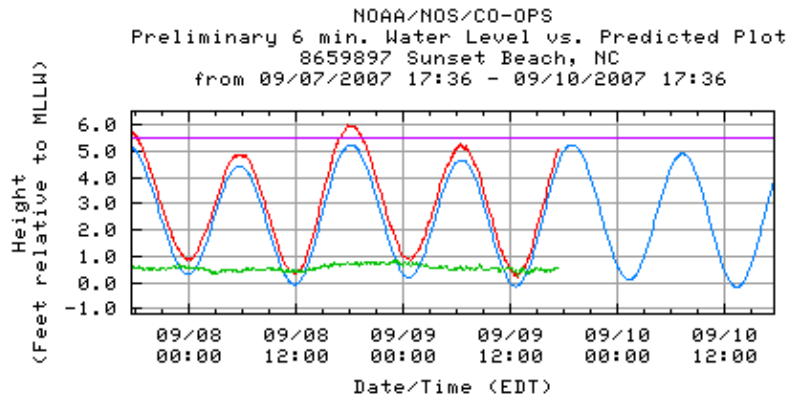


Last Observed Sample: 09/09/2007 18:12 (EDT)

Relative to **MLLW**: **Observed: 3.75 ft. Predicted: 3.40 ft. Residual: 0.35 ft.**

Historical Maximum Water Level: 09/16/1999, 2.74 ft. above **MHHW**

Sunset Beach, NC - Station Map [Return to List](#)



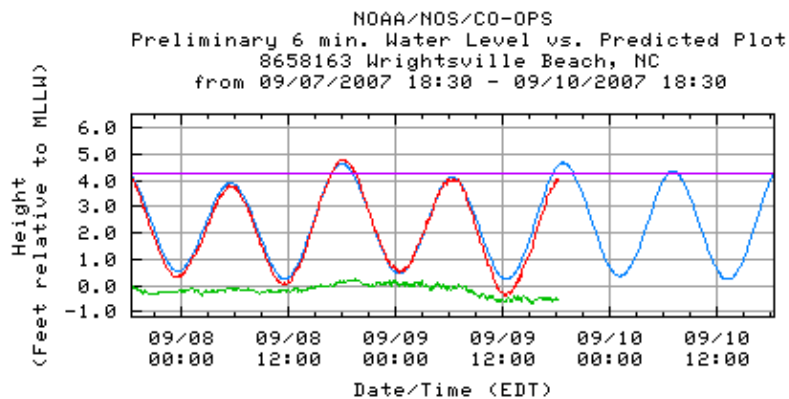
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/09/2007 17:24 (EDT)

Relative to **MLLW**: **Observed: 5.06 ft. Predicted: 4.52 ft. Residual: 0.54 ft.**

Historical Maximum Water Level: n/a

Wrightsville Beach, NC - Station Map [Return to List](#)



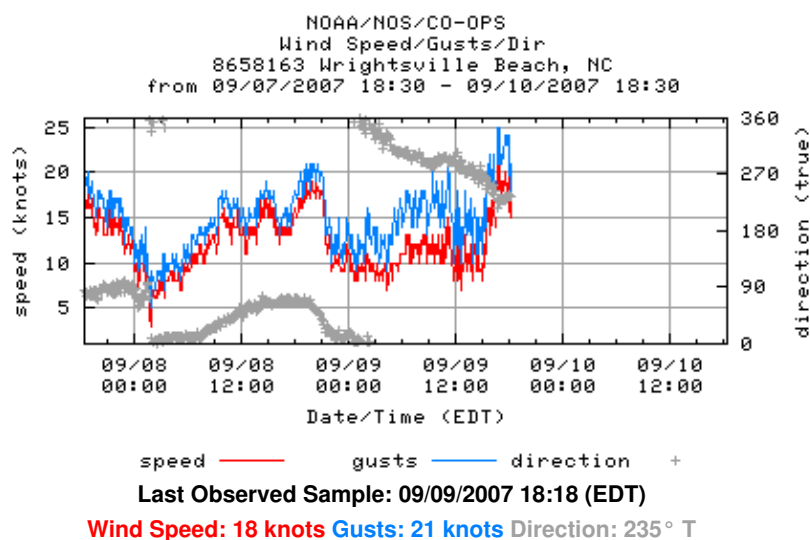
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/09/2007 18:18 (EDT)

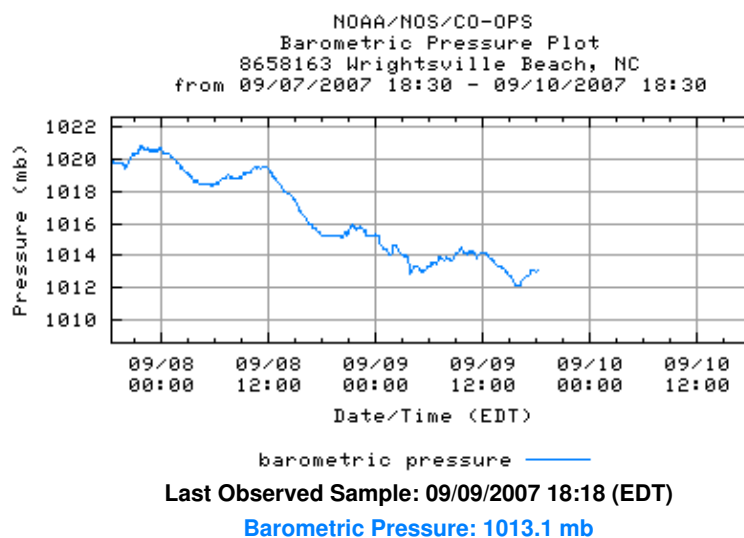
Relative to **MLLW**: **Observed: 4.04 ft. Predicted: 4.58 ft. Residual: -0.54 ft.**

Historical Maximum Water Level: n/a

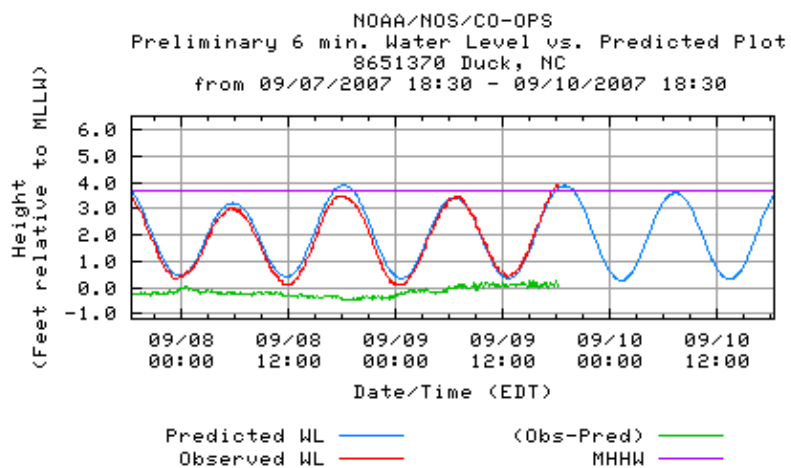
Wrightsville Beach, NC - Station Map [Return to List](#)



Wrightsville Beach, NC - Station Map [Return to List](#)



Duck, NC - Station Map [Return to List](#)

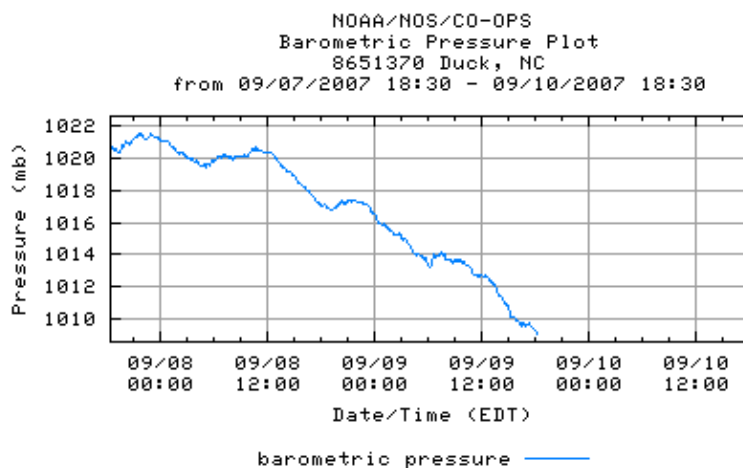


Last Observed Sample: 09/09/2007 18:18 (EDT)

Relative to **MLLW**: **Observed: 3.80 ft. Predicted: 3.77 ft. Residual: 0.03 ft.**

Historical Maximum Water Level: 08/30/1999, 3.23 ft. above **MHHW**

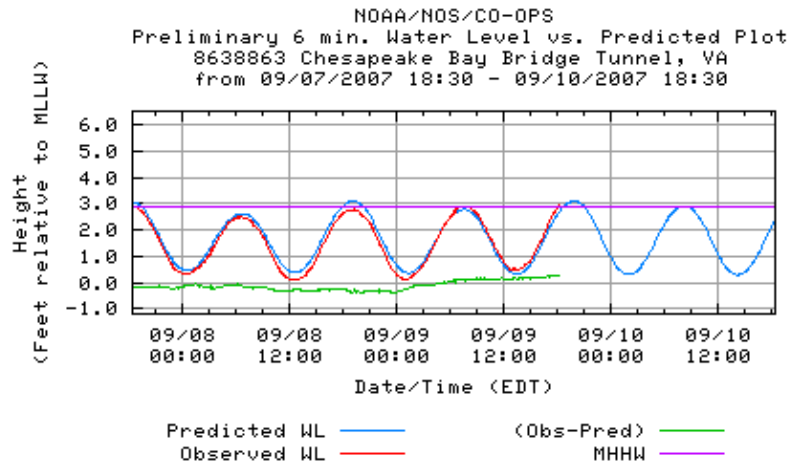
Duck, NC - Station Map [Return to List](#)



Last Observed Sample: 09/09/2007 18:18 (EDT)

Barometric Pressure: 1009.1 mb

Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)

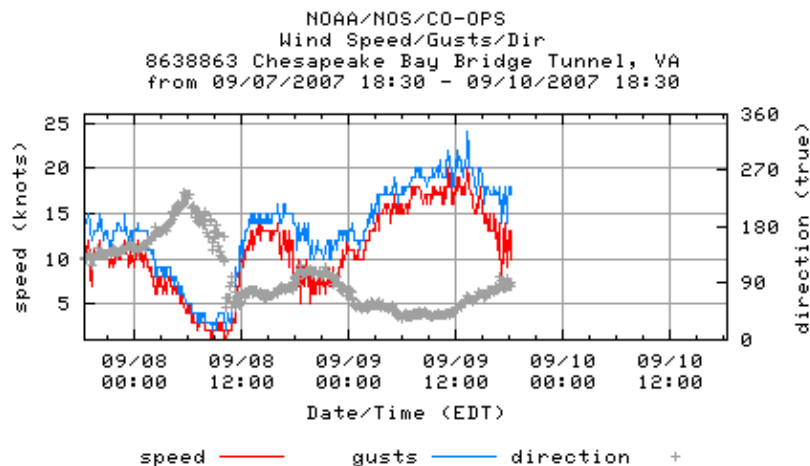


Last Observed Sample: 09/09/2007 18:18 (EDT)

Relative to **MLLW**: **Observed: 2.96 ft. Predicted: 2.69 ft. Residual: 0.27 ft.**

Historical Maximum Water Level: 02/05/1998, 3.68 ft. above **MHHW**

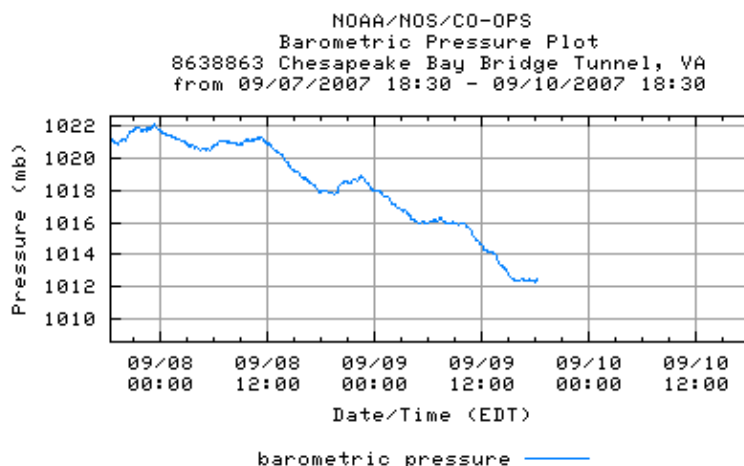
Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)



Last Observed Sample: 09/09/2007 18:18 (EDT)

Wind Speed: 10 knots Gusts: 17 knots Direction: 092° T

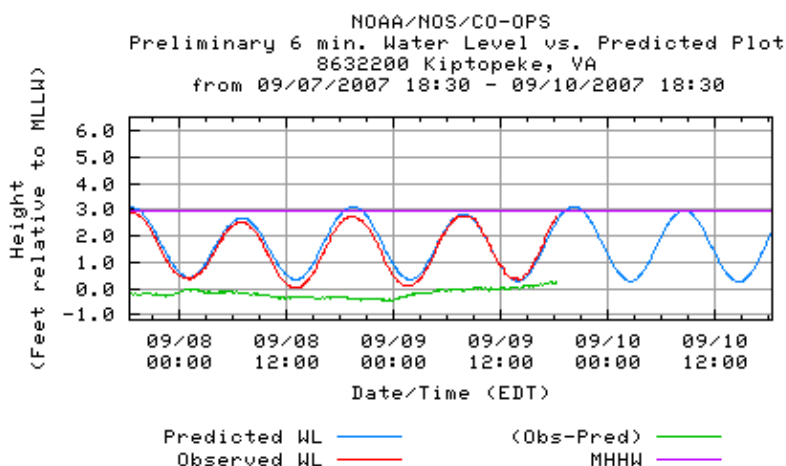
Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)



Last Observed Sample: 09/09/2007 18:18 (EDT)

Barometric Pressure: 1012.5 mb

Kiptopeke, VA - Station Map [Return to List](#)



Last Observed Sample: 09/09/2007 18:18 (EDT)

Relative to **MLLW**: **Observed: 2.74 ft.** **Predicted: 2.53 ft.** **Residual: 0.21 ft.**

Historical Maximum Water Level: 03/08/1962, 4.13 ft. above **MHHW**

Tropical Storm GABRIELLE QUICKLOOK, POSTED 18:00 EDT 09/09/2007

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National Oceanic and Atmospheric Administration | U.S. Department of Commerce